| In | dex | of Cl | aims |  |
|----|-----|-------|------|--|
|    |     |       |      |  |

Application No.

09/811,542

Examiner

Applicant(s)

ANGEL ET AL.

Art Unit

Robert M. Joynes

Non-Elected

1615

Rejected Allowed (Through numeral) Cancelled

N ı Restricted Interference

Appeal Α

o Objected

| Cla                        | im                         | Date                                   |              |               |              |              |  |  |              |                 |  |
|----------------------------|----------------------------|--|--------------|---------------|--------------|--------------|--|--|--------------|-----------------|--|
| Final                      | Original                   | 4/19/04                                |              |               |              |              |  |  |              | -               |  |
| 1                          | 1                          | =                                      |              |               |              |              |  |  |              |                 |  |
|                            | 1<br>2<br>3<br>4<br>5<br>6 |  |              |               |              |              |  |  |              |                 |  |
| 2                          | 3                          | Ξ                                      |              |               |              |              |  |  |              |                 |  |
| 3                          | 4                          | =                                      |              |               |              |              |  |  |              |                 |  |
| 4                          | 5                          | =                                      |              |               |              |              |  |  |              |                 |  |
|                            | 6                          |  |              |               |              |              | _  |  |              |                 |  |
|                            | 7                          | L                                      |              |               |              |              | _  |  |              |                 |  |
|                            | 8                          |  |              |               |              | _            | $\vdash$   |  | _            | $\dashv$        |  |
|                            | 9                          | _                                      | _            |               |              | _            | $\vdash$   |  |              |                 |  |
| 5                          | 10                         | <u>=</u>                               |              |               |              |              |  | _  |              | $\dashv$        |  |
| 6                          | 11                         | =                                      |              | $\vdash$      |              |              | -  |  |              | H               |  |
| 7                          | 12<br>13<br>14<br>15<br>16 | ۱Ē                                     | -            | _             |              | -            | -  | $\vdash$   | <u> </u>     | $\dashv$        |  |
| ° -                        | 1/                         | ╌                                      | $\vdash$     |               |              | -            |  |  | _            | $\vdash \vdash$ |  |
| 9                          | 15                         | =                                      | -            |               |              |              | -  |  | -            | $\dashv$        |  |
| 10                         | 16                         | =                                      |              | _             | -            |              | -  |  |              | $\dashv$        |  |
| 11                         | 17                         | =                                      |              | _             | -            |              |  |  |              | H               |  |
| 12                         | 18                         | =                                      |              |               |              |              |  |  |              | Н               |  |
| 11<br>12<br>13<br>14<br>15 | 18<br>19                   | =                                      |              |               | -            |              |  | _  |              | П               |  |
| 14                         | 20                         | =                                      |              |               |              |              |  |  |              | П               |  |
| 15                         | 21                         | =                                      |              |               |              |              |  |  |              |                 |  |
|                            | 22                         |  |              |               |              |              |  |  |              |                 |  |
| 16<br>17                   | 23                         | =                                      |              |               |              |              | <u> </u>   |  |              |                 |  |
| 17                         | 22<br>23<br>24<br>25       | =                                      |              |               |              | <u> </u>     | _  |  |              |                 |  |
| 18                         | 25                         | =                                      | _            |               |              | <u> </u>     |  |  | _            |                 |  |
|                            | 26                         | <u> </u>                               | ļ            |               | _            |              |  |  |              | Ц               |  |
|                            | 26<br>27<br>28             | _                                      |              |               | <u> </u>     | <u> </u>     |  |  | ļ            | Ш               |  |
|                            | 28                         | <u> </u>                               | ┝            | <u> </u>      | <del> </del> | _            |  | -  | <u> </u>     | -               |  |
| <u> </u>                   | 29<br>30<br>31             | ļ                                      | _            | <u> </u>      | -            | -            |  | _  |              | $\vdash$        |  |
|                            | 30                         | $\vdash$                               | -            |               | $\vdash$     | -            |  |  | <del> </del> | $\vdash$        |  |
|                            | 32                         | -                                      | ├            |               | -            | $\vdash$     | $\vdash$   | <del> </del>                                     |              | Н               |  |
|                            | 33                         | 1                                      | -            |               | $\vdash$     | <del> </del> |  | <del>                                     </del> | -            | Н               |  |
|                            | 34                         | <del> </del>                           | 1            |               | $\vdash$     | t            | $\vdash$   |  |              | $\vdash$        |  |
|                            | 34<br>35                   | †                                      |              |               | -            |              |  |  |              | П               |  |
|                            | 36                         |  |              | $\overline{}$ |              |              |  |  |              |                 |  |
|                            | 37                         |  |              |               |              |              |  |  |              |                 |  |
|                            | 38                         |  |              |               |              |              |  |  |              |                 |  |
|                            | 39                         |  |              |               |              |              |  | _  | _            | Ш               |  |
|                            | 40                         | $\perp$                                | <u> </u>     | <u> </u>      | _            | <u> </u>     | <u> </u>   | L  |              | Ш               |  |
|                            | 41                         | _                                      | <u>_</u>     | _             | L            | ļ            | <u> </u>   | L  | <u> </u>     | Ш               |  |
| <u></u>                    | 42                         | ₽                                      | $\vdash$     | _             | -            | <u> </u>     | ļ  | <u> </u>   | <u> </u>     | $\vdash$        |  |
|                            | 43                         | -                                      | <u> </u>     | _             | $\vdash$     | -            | ├  | <u> </u>   | -            | $\vdash \vdash$ |  |
| <u> </u>                   | 44                         | ├                                      | -            | $\vdash$      | <del> </del> | $\vdash$     | ├-   |  | $\vdash$     | H               |  |
| <u> </u>                   | 45<br>46                   | +                                      | ⊢-           | _             |              | $\vdash$     | ⊢  | $\vdash$   | -            | Н               |  |
|                            | 46                         | $\vdash$                               | <del> </del> | $\vdash$      |              | $\vdash$     | $\vdash$   | -  | -            |                 |  |
|                            | 48                         | +                                      | $\vdash$     | -             | -            | <del> </del> | -  | $\vdash$   | $\vdash$     | $\vdash$        |  |
| <b>-</b>                   | 49                         | +                                      | $\vdash$     |               | -            | $\vdash$     | <del>                                     </del> | $\vdash$   | -            | $\vdash$        |  |
|                            | 50                         | 1                                      | +            |               |              | <del> </del> | T  | $\vdash$   | -            | H               |  |
| Ц                          | _ 50                       | ــــــــــــــــــــــــــــــــــــــ | ь            | ь             | Щ.           | Ь            |  | ь  | _            | لـــا           |  |

| _ |          |                 | Cla   | im       |          | _        |          |          | ate      | <u> </u> |          |  |          |
|---|----------|-----------------|-------|----------|----------|----------|----------|----------|----------|----------|----------|--|----------|
|   |          | , in the second | Final | Original |          |          |          |          |          |          |          |  |          |
| _ |          | -               |       | 51       |          |          |          |          |          |          |          |  |          |
|   |          |                 |       | 51<br>52 |          |          |          |          |          |          |          |  |          |
|   |          |                 |       | 53       |          |          |          |          |          |          |          |  |          |
|   |          |                 |       | 54<br>55 |          | _        |          |          |          |          |          | _  | _        |
|   | $\vdash$ | -               |       | 56       |          |          |          | $\vdash$ |          |          |          |  |          |
| _ | _        | <del> </del>    |       | 57       |          |          |          |          | _        |          | _        |  | -        |
|   |          | <u> </u>        |       | 58       | _        |          |          |          |          |          |          |  |          |
|   |          |                 |       | 59       |          |          |          |          |          |          |          |  |          |
|   |          |                 |       | 60       |          |          |          |          |          |          |          |  |          |
|   |          | _               |       | 61       |          |          |          |          |          |          |          |  |          |
|   |          |                 |       | 62       |          |          |          |          | _        |          | -        |  |          |
|   |          | ▎├              |       | 63<br>64 | _        | _        |          | $\dashv$ |          |          |          |  |          |
|   |          | l ⊢             |       | 65       | -        |          |          | -        | _        |          |          |  |          |
| _ | -        | ▎├              |       | 66       |          |          |          |          |          |          |          |  |          |
|   |          |                 |       | 67       |          |          |          |          |          |          |          |  |          |
|   |          |                 |       | 68<br>69 |          |          |          |          |          |          |          |  |          |
|   | _        |                 |       | 69       |          |          |          |          |          |          |          |  |          |
|   |          | -               |       | 70       |          |          | ļ        |          |          | _        | _        |  |          |
|   |          | -               |       | 71<br>72 |          | ļ        |          | H        |          | -        | -        |  | <u> </u> |
|   | $\vdash$ | ┨               |       | 73       |          |          |          |          |          | -        | <u> </u> | $\vdash$   |          |
|   | -        | ┧┝              |       | 74       |          | $\vdash$ |          |          | _        |          |          |  |          |
|   |          | 1               |       | 74<br>75 |          |          |          |          |          |          |          |  |          |
|   |          |                 |       | 76<br>77 |          |          |          |          |          |          |          |  |          |
|   |          |                 |       | 77       |          |          |          |          |          |          |          |  |          |
|   | _        | .               |       | 78       |          | L        |          |          |          | _        |          |  | <u> </u> |
|   | _        | <b>!</b>        |       | 79       |          | _        |          | $\vdash$ |          |          | <u> </u> |  |          |
|   |          | -               |       | 80<br>81 |          | -        | -        |          |          |          |          | -  | _        |
|   |          | ┧┟              |       | 82       | $\vdash$ | -        |          |          |          |          |          |  | $\vdash$ |
| _ | H        | 1               |       | 83       | Г        | -        |          |          |          |          |          |  | $\vdash$ |
|   |          | 1 [             |       | 84<br>85 |          |          |          |          |          |          |          |  |          |
| _ |          |                 |       | 85       |          |          |          |          |          | <u></u>  | L        | L  | _        |
|   |          | -               |       | 86       | <u> </u> | ļ        | <u> </u> |          |          |          | L        |  | -        |
|   |          | ┨┞              |       | 87       |          | _        |          | -        | _        |          |          | <u> </u>   | -        |
|   | ⊢        | ┧┝              |       | 88<br>89 | $\vdash$ |          | $\vdash$ | -        |          | -        | -        | $\vdash$   | $\vdash$ |
| _ |          | ┧┝              |       | 90       |          |          |          |          |          | $\vdash$ |          |  | Н        |
|   |          | 1               |       | 91       |          |          |          |          |          |          |          |  |          |
|   |          | 1 [             |       | 92       |          |          |          |          |          |          |          |  |          |
| _ |          | [               |       | 93       |          | L        |          |          |          |          | L        | L  |          |
|   |          | _               |       | 94       | _        |          |          | ļ        | _        |          |          |  | <u> </u> |
|   |          | ┥┝              |       | 95       | -        | $\vdash$ | -        | _        | -        | -        | $\vdash$ | -  | $\vdash$ |
|   |          | ┨┝              |       | 96<br>97 | $\vdash$ | -        |          | -        | -        | $\vdash$ |          | -  | $\vdash$ |
|   | -        | $\dagger$       |       | 98       | -        |          | $\vdash$ | -        | $\vdash$ | -        |          | <del>                                     </del> |          |
|   |          | 1               |       | 99       | <u> </u> | 1        |          |          |          |          |          |  |          |
|   |          | ] [             |       | 100      |          |          |          |          |          |          |          |  | Ĺ.,      |
|   |          |                 |       |          |          |          |          | -        |          |          |          |  |          |

| Cla      | Date                                   |  |              |  |              |   |              |            |          |          |
|----------|--|--|--------------|--|--------------|---|--------------|------------|----------|----------|
|          |  |  |              |  |              |   |              |            |          |          |
| =        | Original                               |  |              |  |              |   |              |            |          |          |
| Final    | <u>.</u>                               |  |              |  |              |   |              |            |          |          |
| ш 1      | ŏ                                      |  |              |  |              |   |              |            |          |          |
|          |  |  |              |  |              | <u> </u>  |              | _          |          |          |
|          | 101<br>102                             |  |              | $\vdash$   |              | <u> </u>  |              |            | _        | _        |
|          | 102                                    |  | L_           |  |              | $ldsymbol{ld}}}}}}$ |              |            |          |          |
|          | 103                                    |  |              |  |              |   |              |            |          |          |
|          | 104<br>105<br>106                      |  |              |  |              |   |              |            |          |          |
|          | 105                                    |  |              |  | П            |   |              |            |          |          |
|          | 106                                    |  |              |  |              |   |              |            |          |          |
|          | 107                                    |  |              |  |              |   | _            |            |          |          |
|          | 108                                    | _  |              |  |              |   |              |            |          |          |
|          | 108<br>109                             | ├─   |              | ┝  | $\vdash$     |   |              |            | $\vdash$ |          |
|          | 109                                    | -  |              |  |              |   | $\vdash$     |            | $\vdash$ | _        |
|          | 110                                    | _  | _            | <u> </u>   |              | <u> </u>  | H            | _          |          |          |
|          | 111<br>112                             | _  | L            |  |              | _   |              |            |          |          |
| <u> </u> | 112                                    | $ldsymbol{f eta}$                                | L            |  | ļ            | <u> </u>  | _            | _          | <u> </u> | Ш        |
|          | 113                                    | L  |              |  |              |   |              |            |          | L.       |
| L        | 114                                    | L  | L            | L  | L            | L   |              |            |          |          |
|          | 113<br>114<br>115                      |  |              |  |              |   |              |            |          |          |
|          | 116                                    |  |              |  |              |   | Г            |            |          |          |
| <b></b>  | 117                                    | Т  |              |  |              | <u> </u>  | Г            |            |          | T        |
|          | 118                                    | ┢  | ┢            |  |              |   |              |            | $\vdash$ |          |
|          | 110                                    |  | -            | $\vdash$   |              | $\vdash$  | -            |            | $\vdash$ |          |
| -        | 119<br>120                             | <u> </u>   | -            | $\vdash$   | -            | $\vdash$  |              |            | $\vdash$ |          |
|          | 120                                    |  |              | <b></b> -  |              | -   | -            | <u> </u>   | -        | _        |
|          | 121                                    | _  |              | _  | <u> </u>     | L   | _            | <u> </u>   | <u> </u> | <u> </u> |
|          | 122                                    | L  |              | _  |              |   |              | L_         | _        | _        |
|          | 123                                    |  |              | L.,  |              |   |              |            |          | <u> </u> |
|          | 121<br>122<br>123<br>124<br>125<br>126 |  |              |  |              |   |              | L.         |          |          |
|          | 125                                    |  |              |  |              |   |              |            |          |          |
|          | 126                                    | i -  |              |  |              |   |              |            |          |          |
|          | 127                                    |  |              | $\Box$   |              |   |              |            |          |          |
| <u> </u> | 128                                    |  |              |  | Ι            | 1   |              |            |          |          |
|          | 127<br>128<br>129                      |  |              | -  | $\vdash$     | -   | $\vdash$     | $\vdash$   |          | -        |
|          | 120                                    | -  | -            | ┝╌   | ┢            | $\vdash$  |              | $\vdash$   |          |          |
|          | 130<br>131                             | -  | -            |  |              | ⊢   | ╁            | -          |          | -        |
|          | 131                                    | <u> </u>   | ├-           |  | ⊢            | ├   |              | -          |          | ┝        |
|          | 132<br>133                             | _  | ├-           |  | $\vdash$     | ├   | $\vdash$     | <u> </u>   |          |          |
|          | 133                                    |  | L            | _  | <u> </u>     | ļ   | _            |            |          |          |
|          | 134                                    |  | L_           | $oxed{igspace}$                                  | <u>L</u>     |   |              | L          | L        |          |
|          | 135<br>136                             |  | L            |  | L            | <u> </u>  | $oxed{oxed}$ |            | L        | <u></u>  |
|          | 136                                    |  |              |  | _            | L   | L            | L          | L        |          |
|          | 137                                    | _  |              |  |              | I   | L            |            |          |          |
|          | 138                                    |  |              |  |              | Γ   |              |            | Ι_       |          |
|          | 139                                    | Ι-   |              | T  |              |   | Τ            |            |          | Γ        |
| <u> </u> | 140                                    | <del>                                     </del> | $\vdash$     | <del>                                     </del> |              |   | t            |            | t        | <u> </u> |
| <u> </u> | 4 44                                   | $\vdash$   | $\vdash$     | $\vdash$   | +-           | $\vdash$  | <del> </del> | -          |          | -        |
| <u> </u> | 141                                    | $\vdash$   | +-           | ├-   | -            | +-  | -            | -          |          | -        |
| L        | 142                                    | $\vdash$   | ├            | $\vdash$   | ├            | ┼   | $\vdash$     | $\vdash$   | $\vdash$ | ⊢        |
| <u> </u> | 143                                    | ├  | <del> </del> | $\vdash$   | <del> </del> | -   | $\vdash$     | $\vdash$   | -        | -        |
| <u> </u> | 144                                    | ļ  | $\vdash$     | <del>  -</del>                                   | <u> </u>     | 1   | ļ            | <b> </b> - | <u> </u> |          |
| L        | 145                                    | <u> </u>   | <u> </u>     | <u> </u>   | ↓_           | <b> </b>  | <u> </u>     | _          | <u> </u> | L.       |
|          | 146                                    | L  | $\perp$      | <u> </u>   | L            | L_  | <u> </u>     |            | L_       | L_       |
|          | 147                                    |  |              |  | Ĺ            | $\mathbb{L}^{-}$  | L            | L          | L        | L        |
|          | 148                                    |  |              |  | Γ            |   | 1            | Г          |          |          |
|          | 149                                    | T  | 1            |  |              | 1   |              | Г          |          |          |
| <u> </u> | 150                                    | T  | $\vdash$     | 1  | ✝            | †   | t            | T          | T        | $\vdash$ |
|          | 1.50                                   |  |              | Ь  | ь            | 1   | 1            | <b>_</b>   |          | L        |
|          |  |  |              |  |              |   |              |            |          |          |